New Mexico Grade 5

LineUp With Math[™] Alignment

Mathematics Content Standards, Benchmarks and Performance Standards June 2002

Strand: NUMBER AND OPERATIONS

Standard: Students will understand numerical concepts and mathematical operations.

5-8 Benchmark: Compute fluently and make reasonable estimates.

Performance Standards: Grade 5 LineUp With Math[™] Activities

3. Use estimation strategies to verify the reasonableness of calculated results.

--Predict and resolve aircraft conflicts and explain results of mathematical calculations and simulations.

Strand: ALGEBRA

Standard: Students will understand algebraic concepts and applications.

5-8 Benchmark: Analyze changes in various contexts.

Performance Standards: Grade 5	LineUp With Math [™] Activities
Recognize and create patterns of change from everyday life using numerical or pictorial representations.	Use an interactive simulator plus calculation worksheets to model and resolve air traffic control conflicts.
2. Generalize patterns of change and recognize the same general patterns presented in different representations.	Use an interactive simulator plus calculation worksheets to model and resolve air traffic control conflicts.

Strand: MEASUREMENT

Standard: Students will understand measurement systems and applications.

5-8 Benchmark: Understand measurable attributes of objects and the units, systems, and processes of measurement.

Performance Standards: Grade 5 LineUp With Math[™] Activities

3. Solve problems involving linear measurement, weight, and capacity (e.g., measuring to the nearest sixteenth of an inch or nearest millimeter; using ounces, milliliters, or pounds and kilograms) to the appropriate degree of accuracy.

--Apply mathematics to solving distance, rate, and time problems for aircraft conflict scenarios.

5-8 Benchmark: Apply appropriate techniques, tools, and formulas to determine measurements.		
Performance Standards: Grade 5	LineUp With Math [™] Activities	
Solve measurement problems using appropriate tools involving length, perimeter, weight, capacity, time, and temperature.	Apply mathematics to solving distance, rate, and time problems for aircraft conflict scenarios. Use an interactive simulator plus calculation worksheets to model and resolve air traffic control conflicts.	
2. Select and use strategies to estimate measurements including length, distance, capacity, and time.	Apply mathematics to solving distance, rate, and time problems for aircraft conflict scenarios. Predict and resolve aircraft conflicts and explain results of mathematical calculations and simulations.	

Strand: DATA ANALYSIS AND PROBABILITY

Standard: Students will understand how to formulate questions, analyze data, and determine probabilities.

5-8 Benchmark: Develop and evaluate inferences and predictions that are based on data.

Performance Standards: Grade 5	LineUp With Math [™] Activities
2. Compare a given prediction with the results of an investigation.	Predict and resolve aircraft conflicts and explain results of mathematical calculations and simulations.